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(71) Applicant:  
**DAEWOO ELECTRONICS CO., LTD  
Seoul (KR)**

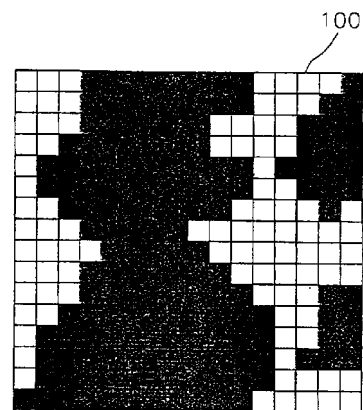
(72) Inventors:  
• **Han, Seok-Won,  
Daewoo Electronics Co., Ltd.  
Jung-Gu, Seoul (KR)**  
• **Kim, Jin-Hun,  
Daewoo Electronics Co., Ltd.  
Jung-Gu, Seoul (KR)**

(74) Representative:  
**Neobard, William John et al  
Page White & Farrer  
54 Doughty Street  
London WC1N 2LS (GB)**

(54) **Method for restoring a binary shape signal**

(57) A method restores a binary shape signal which has been downsized through the use of a sub-sampling or a down-sampling technique. The downsized binary shape signal contains a plurality of reference lines, wherein each reference line includes one or more segments having successive object pixels therein, and the binary shape signal is restored based on the downsized binary shape signal. Once interpolation lines corresponding to the reference lines are produced based on the number of segments on each of the reference lines, positions of the segments, and the number of object pixels on each of the segments, and then the restored binary shape signal is provided by alternately combining each of the interpolation lines and each of the reference lines.

*FIG. 2A*



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EUROPEAN SEARCH REPORT

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| Category   | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim   | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
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|  |   |   | H04N<br>G06T                                 |
| Place of search  |   | Date of completion of the search  | Examiner                                     |
| THE HAGUE  |   | 22 March 2001   | Ogor, M                                      |
| CATEGORY OF CITED DOCUMENTS  |   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or<br>after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>-----<br>& : member of the same patent family, corresponding<br>document |  |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another<br>document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |   |   |  |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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